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| Bilal Qandeel  IT | Cybersecurity | Control Engineering | Regulatory Experience  Montreal, QC H4E 2K2 | [**bilal.qandeel@gmail.com**](mailto:bilal.qandeel@gmail.com) **|** +1-438-921-5565 |  |

# Profile

* Electrical engineering professional with more than ten years of experience in cross-disciplinary fields:
  + IT and development experience with extensive experience in cybersecurity.
    - Graduate Diploma (GrDip) in Computer Science from Concordia University, Montreal.
    - Coded using OOLs: Python, Java, C Language (mainly C++), and variations of BASIC.
    - Worked with MongoDB, MySQL, JSON, XML
  + Automation applications: HVAC control, substations control and industrial processes control;
    - Expert on IEC61850 protocol and SCL language for substations automation.
    - Expert on IEC61131 PLC engineering.
    - KNX Certified Partner and LEED GA certified.
    - Extensive experience in computer hardware, embedded systems and Assembly.
  + Worked shortly on state-level regulatory telecommunications and sales.

# Professional Experience

* *SSENSE*
  + Software Developer Montreal, Quebec, Sep 2019 – Present time
    - Python development for web framework of microsystems architecture.
    - Industrial coding using Git, Docker, K8S, Jenkins and TestRail.
    - Data visualization at DataDog and NewRelic.
    - Working with AWS hosting platform.
* *SCHNEIDER-ELECTRIC*
  + Distributed Control Systems (DCS) Specialist Brossard, Quebec, Nov 2016 – May 2018
    - PACiS, EcoSUI, PowerSCADA, Easergy systems, SCADA, DNP3, Modbus, HMI, iFLS, FDIR, IEC61850 IEDs: SEL, Vizimax, Cooper and ABB.
  + Automation Engineer Riyadh, Saudi Arabia, Mar 2014 – Nov 2016
    - PACiS, SCADA, T101, T104, HMI, IEC61850 IEDs: SEL, ABB, Continuum and Modicon.
    - OT cybersecurity: NERC-CIP and ISA99.
  + Senior KNX/EIB Engineer Riyadh, Saudi Arabia, Jun 2012 – Mar 2014
    - KNX BAS, EMS, FMS, BMS, HVAC, DALI and KNX
    - Rendered AutoCAD schematics for risers and shop drawings.
* *TELECOMMUNICATIONS REGULATORY COMMISSION OF JORDAN (TRC)*
  + Telecommunications Regulatory Officer Amman, Jordan, May 2011 – Aug 2012
    - Governmental telecom regulation, field inspections, competition analysis, EU regulatory twinning.
  + Frequency Inspection and Monitoring Engineer Amman, Jordan, Jun 2010 – May 2011
    - Radio frequency utilization analysis and field radio-frequency test drives.

# Professional Development

* **Certified KNX Partner (ID 42599),** KNX Organization, May 2013
* **Certified LEED Green Associate, US Green Building Council,** Feb 2015 – Feb 2017
  + LEED 201: Core Concepts & Strategies, US Green Building Council, 2013
* **Certified in FIDIC Redbook** International Federation of Consulting Engineers, 2015
* **WHMIS 2015, Easergy T300 Overview, ISA99 Cybersecurity, PACiS SAS, Basic Electrical Safety, M238 Industrial PLC, Andover BMS Boot Camp, NETxAutomation, Certified Energy Management Associate & 2N IP Security,** Schneider-Electric, 2012 – 2017
* **Member of Project Management Institute (PMI),** 2013 – 2015
  + PMP preparation (36 PDUs) Saudi HRD Center, PMI-(REP), 2013
* **MCSE training course – Windows 2003 Server** Jordanian Engineers Association, 2007
* **A+ Hardware Core, Allen-Bradley PLC** University of Jordan, 2003 – 2005

# Education

* *CONCORDIA UNIVERSITY*
  + GrDip in Computer Science Montreal, QC, Sep 2018 – Sep 2019
    - Summer class of 2019 semester.
* *THE UNIVERSITY OF JORDAN*
  + B.Sc. in Electrical Engineering Amman, Jordan, Jun 2003 – Aug 2007
    - Credentials authenticated & evaluated by the World Education Services Canada.
    - Focus on control theory, computer applications & telecom principles.

# Memberships

* Member of **Association of Professional Engineers & Geoscientists of Saskatchewan,** MIT, 2017
* Member of **Saudi Engineers Council**, associate engineer, 2012 – 2016
* Member of **Jordanian Translators and Applied Linguistics Association**, 2011
* Member of **Jordanian Engineers Association**, Electrical Engineering division, 2007

# IT Skills

|  |  |  |  |
| --- | --- | --- | --- |
| Java | ★★★★☆ | Python | ★★★★☆ |
| VB/A/S | ★★★★☆ | C/C++ | ★★★★☆ |
| LISP | ★★★★☆ | HTML | ★★★☆☆ |
| SQL | ★★★☆☆ | Assembly | ★★★★★ |
| Linux | ★★★☆☆ |  |  |

# Industrial Coding Tools

|  |  |  |  |
| --- | --- | --- | --- |
| Git | ★★★☆☆ | Docker | ★★★☆☆ |
| K8S | ★☆☆☆☆ | Jenkins | ★★☆☆☆ |
| TestRail | ★★☆☆☆ | HTML | ★★★☆☆ |
| DataDog | ★★★☆☆ |  |  |

# Languages

|  |  |  |  |
| --- | --- | --- | --- |
| Arabic | Mother tongue | | |
| English | ★★★★★ | French | ★★☆☆☆ |

# Engineering Skills

|  |  |  |  |
| --- | --- | --- | --- |
| SCADA/DCS | ★★★★★ | AutoCAD | ★★★★★ |
| SCL/IEC61850 | ★★★★☆ | SFC/FBD | ★★★★★ |
| PACiS/EcoSUI | ★★★★★ | Ladder Logic | ★★★★★ |
| PowerSCADA | ★★★☆☆ | PLC | ★★★☆☆ |

# Personal Characteristics

* Good team player.
* Innate leadership skills.
* Can work under pressure.
* Result- and detail-oriented.
* Advanced negotiation skills.
* Advanced technical writing skills.